

**AMENDMENTS TO THE SPECIFICATION**

Applicants request replacement of the paragraph beginning on Amended Sheet Page 21, line 17 and ending on Amended Sheet Page 21a, line 16, with the following paragraph:

Multiplexed single nucleotide primer extension is performed using the following 5' tagged extension primers:

RHD Exon 4 **GTGATTCTGTACGTGTCGCC**GTCTGATCTTATCCTCCGTTCCCT

(SEQ ID NO: 25)

RHD Exon 9 **GCGGTAGGTTCCCGACATAT**TTAACACAGGTTGCTCCTAAATCT

(SEQ ID NO: 26)

RHCE Exon 2 **GGATGGCGTTCCGTCCTATT**GGACGGCTTCCTGAGCCAGTTCCCT

(SEQ ID NO: 27)

RHCE Exon 5 **CGACTGTAGGTGCGTAACTC**GATGTTCTGCCAAGTGTCAACTCT

(SEQ ID NO: 28)

GYPB Exon 4 **AGGGTCTCTACGCTGACGAT**TTGAAATTTGCTTATAGGAGAAA

(SEQ ID NO: 29)

KEL Exon 6 **AGCGATCTGCGAGACCGTAT**TGGACTTCCTAAACTTAACCGAA

(SEQ ID NO: 30)

KEL Exon 8 **AGATAGAGTCGATGCCAGCT**TTCCTGTCAATCTCCATCACTTCA

(SEQ ID NO: 31)

FY Promoter **GACCTGGGTGTCGATACCTA**GGCCCTCATTAGTCCTGGCTCTTA

(SEQ ID NO: 32)

FY Exon 2 **ACGCACGTCCACGGTGATT**GGGGGCAGCTGCTTCCAGGTTGGCA

(SEQ ID NO: 33)

JK Exon 9 **CGTGCCTCGTGAATAAACCCCAGAGTCCAAAGTAGATGT**  
(SEQ ID NO: 34)

DI Exon 19 **GGCTATGATTCGCAATGCTTGTGCTGTGGTGGTGAAGTCCACGC**  
(SEQ ID NO: 35)

GP3A Exon 3 **AGAGCGAGTGACGCATACTTGGGCTCCTGTCTTACAXGCCCTGCCTC**  
(SEQ ID NO: 36)

GP3A Exon 3 GCCCTGCCTC  
(SEQ ID NO: 37)

The above probes may be referred to herein as SEQ ID NOs 25-[[36]]37. The DNA bases are represented by their single letter equivalents (A,C,G or T) and the letter **X** represents SEQ ID NOs: 36 and 37 are joined together by a C3 (phosphoramidite) spacer between the two adjacent DNA bases sequences.